

<b>Vermason</b>		Product Information No: PIS 174		
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## MOISTURE BARRIER BAGS

Code BW9xx

Moisture barrier bags are used to pack IC trays, tubes, and reels of components. The bags are made from a five-layer metalised polyester/polyethylene structure that offers high puncture resistance, high barrier properties and superior vacuum packing performance. The low MVTR of the material results in a reduced desiccant requirement and offers a very good cost/performance relationship for packing moisture sensitive components. Moisture barrier bags meet or exceed the requirements of MIL-B-81705C, EIA 583.

### Construction:

Outer layer	Static dissipative metalised polyester
Middle layer	Static dissipative metalised polyester
Inner layer	Static dissipative polyethylene

### Physical Properties:

Moisture vapour transmission rate	<0.3g/sqm/24hrs or <0.02g/100in <sup>2</sup> /24 hours. ASTM F-1249 (at 37°C and 90% RH) pre flexed.	
Puncture resistance	18 lbs	FTMS 101C
Tensile strength	>20 lbs/in	ASTM D882
Tear strength	>2 lbs	ASTM D1004
Seal strength	No delamination (160°F)	MIL 81705C

### Electrical Properties:

Surface resistance	Inner surface	<1 x 10 <sup>11</sup> Ohms	EOS/ESD S.11.11
	Outer surface	<1 x 10 <sup>11</sup> Ohms	EOS/ESD S.11.11
Static decay	<2.0 sec (5000-50 Volts)		FTMS 101C
EMI shielding	>40 dB		Mil B-81705C
Capacitance probe	<10V		EIA 541

### Chemical Properties:

Corrosion	No effect on aluminium, copper, silver, Pb-Sn coated foil, stainless steel, Kevlar®, low carbon steel.
Polycarbonate	Compatible

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